

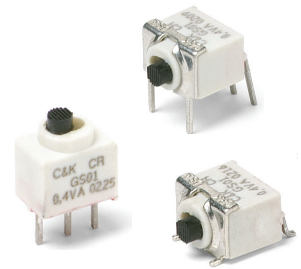
# GS Series Sealed Ultraminiature Slide Switches

## Features/Benefits

- Ultraminiature design saves PCB space
- Sealed construction, process compatible with most PCB wash processes
- Available in thru-hole and surface mount
- Long life contact design
- RoHS compliant

## Typical Applications

- Computer peripherals & network products
- Test & measurement equipment
- Telephone & cable modems



## Specifications

CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.

MECHANICAL & ELECTRICAL LIFE: 40,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 50 m  $\Omega$  typ. initial @ 2–4 V DC, 100 mA.

INSULATION RESISTANCE:  $10^9 \Omega$  min.

DIELECTRIC STRENGTH: 500 Vrms min. @ sea level.

STORAGE & OPERATING TEMPERATURE: –40°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

PACKAGING: Switches available in embossed anti-static tape and reels per EIA 481A. Some models available on embossed anti-static tape and reels per EIA 481-3, consult Customer Service Center.

## Materials

HOUSING & BASE: Glass filled 4/6, flame retardant, heat stabilized (UL 94V-0).

ACTUATOR: Polyetherimide PEI (UL 94V-0), with standard internal seal.

SWITCH SUPPORT: Brass, matte-tin plated.

MOVABLE CONTACT: Copper with gold plate over nickel plate.

STATIONARY CONTACTS: Copper alloy, with gold plate over nickel plate.

TERMINALS: Copper alloy, with gold plate over nickel plate.

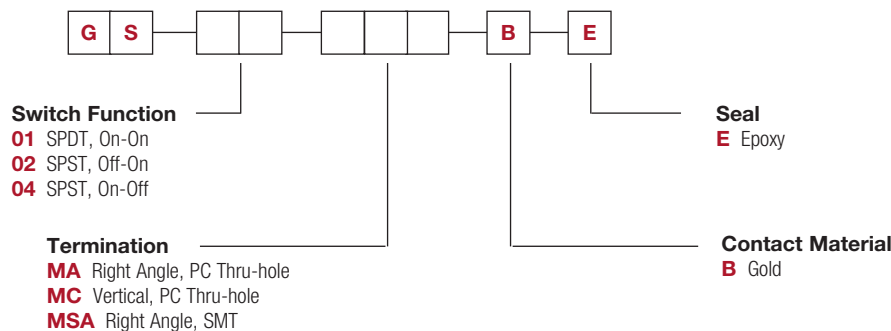
TERMINAL SEAL: Epoxy. All terminals insert molded.

**NOTE:** All models are RoHS compliant and compatible with all options.

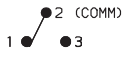


**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

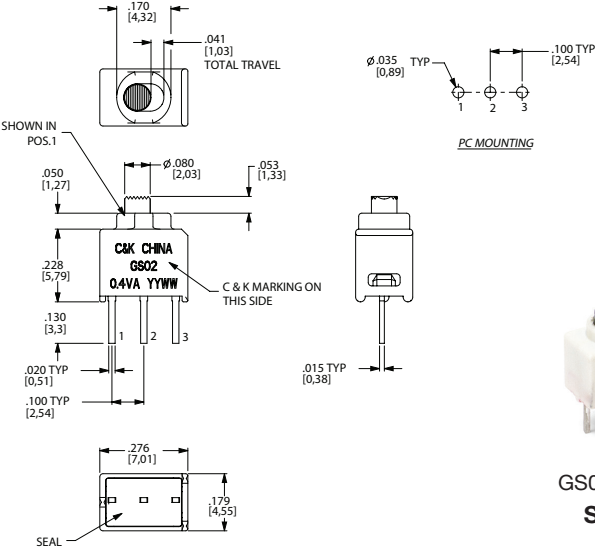
## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



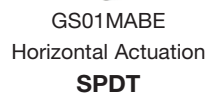
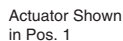
# GS Series Sealed Ultraminiature Slide Switches

PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS.1	POS. 2	
<b>GS01MCBE</b>	ON	ON	 SPDT
Conn. Terms.	2-1	2-3	
<b>GS02MCBE</b>	OFF	ON	 SPST
Conn. Terms.	OPEN	3-1	
<b>GS04MCBE</b>	ON	OFF	 SPST
Conn. Terms.	1-3	OPEN	



GS01MCBE  
SPDT

\_\_\_\_\_








# Slide



GS01MSABE  
Horizontal Actuation  
**SPDT**



PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS.1	POS. 2	
			
<b>GS01MSABE</b>	ON	ON	 1 ● 2 (COMM) ● 3 SPDT
Conn. Terms.	2-1	2-3	
<b>GS02MSABE</b>	OFF	ON	
Conn. Terms	OPEN	3-1	 3 ● 1 ● 2 SPST
<b>GS04MSABE</b>	ON	OFF	
Conn. Terms.	1-3	OPEN	 1 ● 2 ● 3 SPST

## TAPE & REEL

Technical drawing of a 3-pin connector assembly. The drawing includes a top view, a side view, and a detail view of the pins.

**Top View Dimensions:**

- Overall width: .604 (15,34)
- Pin pitch (center-to-center): .157 (4,00)
- Pin diameter: .079 (2,00)
- Distance from left edge to first pin center: .157 (4,00)
- Distance between second and third pin centers: .472 (12,00)
- Distance from third pin center to right edge: .079 (2,00)
- Pin diameter:  $\varnothing .061$  ( $\varnothing 1,55$ )
- Distance from right edge to pin center: .069 (1,75)
- Distance from left edge to pin center: .286 (7,26)

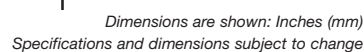
**Side View Dimensions:**

- Overall height: .945 (24,00)
- Pin height: .453 (11,51)
- Distance from top edge to pin top: .069 (1,75)
- Distance from bottom edge to pin bottom: .252 (6,40)

**Detail View:**

- Pin diameter:  $\varnothing .061$  ( $\varnothing 1,55$ )
- Pin height: .453 (11,51)
- Distance from top edge to pin top: .069 (1,75)
- Distance from bottom edge to pin bottom: .252 (6,40)

**FEED DIRECTION**



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[C&K Switches:](#)

[GS02MCKE](#) [GS01MCKE](#) [GS02MAKE](#)